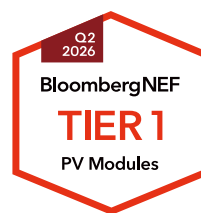




505W

N-Type Bifacial



Excellent temperature coefficient (Pmax): $-0.280\%/^{\circ}\text{C}$



Excellent low-light performance: enhanced power generation during morning and evening hours



Lower LID/LeTID attenuation



With a bifaciality factor of $80\% \pm 5\%$, the module captures available rear-side irradiance to increase energy yield and help lower the LCOE



IEC61215:2021/IEC61730:2023

IEC61701/IEC62716/IEC60068/IEC62804

ISO9001:2015(Quality management systems)

ISO14001:2015(Environmental management systems)

ISO45001:2018(Occupational health and safety)

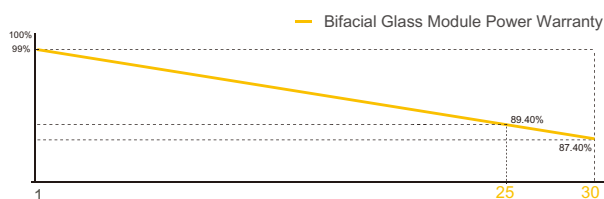
ISO14067:2018/PAS2050:2011



**Product
Guarantee**



**Performance
Warranty**



SPECIFICATION (STC) Irradiance at 1000 W/m², Cell Temp 25°C, Air Mass AM1.5 *Measuring tolerance:±3%

MODEL TYPE	ODA495-27V-MHDBRz	ODA500-27V-MHDBRz	ODA505-27V-MHDBRz
Rated Peak Power-P _{max} (Wp)*	495.00	500.00	505.00
Maximum Power Voltage-V _{mp} (V)	33.51	33.56	33.61
Maximum Power Current-I _{mp} (A)	14.78	14.90	15.02
Open Circuit Voltage-V _{oc} (V)*	39.42	39.48	39.54
Short Circuit Current-I _{sc} (A)*	15.70	15.83	15.96
Module Efficiency(%)	22.25	22.47	22.69

ELECTRICAL DATA(BNPI) Irradiance at 1000 W/m², Back irradiance 135 W/m², Cell Temp 25°C, Air Mass AM1.5

Rated Peak Power-P _{max} (Wp)*	549.00	554.00	560.00
Maximum Power Voltage-V _{mp} (V)	33.61	33.66	33.71
Maximum Power Current-I _{mp} (A)	16.33	16.46	16.60
Open Circuit Voltage-V _{oc} (V)*	39.54	39.60	39.66
Short Circuit Current-I _{sc} (A)*	17.35	17.49	17.64

MECHANICAL CHARACTERISTICS *EVO2 available upon request

Cell Type (mm)	182*105 N-Type Mono
No. Of Cells	108(12*9)
Module Dimensions(mm)	1962*1134*30
Weight	27.40 kg
Front Glass(mm)	2.0mm AR Coating Tempered Glass
Black Back Glass(mm)	2.0mm Glazed Glass
Frame	Anodized Aluminium Alloy(Black)
Junction Box	IP68,1500VDC, 3 Schottky Bypass Diodes
Cables	4.0mm ² , Positive(+)300mm, Negative(-)300mm, Or Customized Length
Connector	HC4/HYG-01/Others*
Maximum Test Load	5400Pa/2400Pa
Class Of Safety Protection	Class II
IEC Component Fire Rating	Class A

OPERATING PARAMETERS

Maximum System Voltage	1500V
Operational Temp	-40~+85 °C
Max Series Fuse Rating	28A
Nominal Module Operating Temp (NMOT)	45±2°C

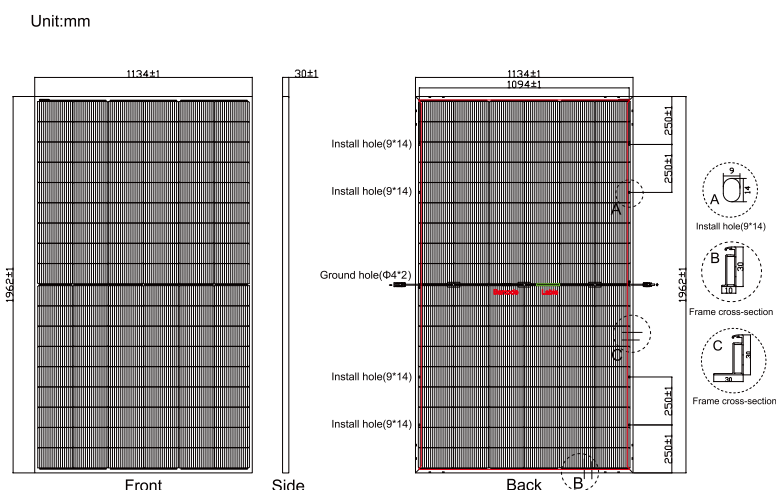
TEMP COEFFICIENT

Temp Coefficient Of P _{max}	-0.280%/°C
Temp Coefficient Of V _{oc}	-0.230%/°C
Temp Coefficient Of I _{sc}	+0.030%/°C

PACKING STANDARD 40ft (HQ)

Number Of Modules Per Pallet	37
Number Of Pallets Per Container	22
Number Of Modules Per Container	814

ASSEMBLY DRAWING



IV CURVE (500W)

